

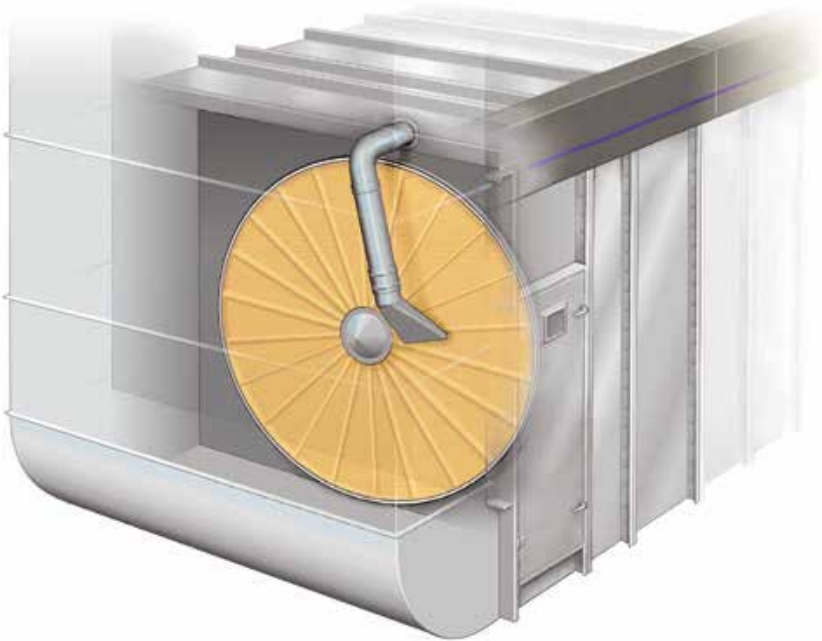
Rotary Pre-filters

Designed to capture both lint and dust.
Reducing the volume of dust handled by downstream primary filters.

The Nederman Pneumafil Rotary Pre-filter is designed to capture both lint and dust. It is installed upstream of primary dust filters and is particularly suitable for large tunnel return systems.

The unit features a disk-shaped screen which rotates in a vertical plane. Lint and dust accumulates on the screen and is removed by a reciprocating suction arm, operating continuously or upon demand, as required by the application.

In the continuous mode, the pre-filter functions similarly to a pre-separator, removing lint and large clumps which would overload or clog the primary filter. In the more customary demand mode, operation is triggered by pressure drop caused by the build-up of lint and dust on the screen. As the screen captures material, the resultant mat acts as filter media, capturing fine dust as well as lint. Only a small portion of the mat is removed at any given time, which helps maintain a constant level of filtration efficiency. When used as a pre-filter, the unit reduces the volume of dust that must be handled by downstream primary filters. The result is greater overall system efficiency and, in some cases, reduced investment for filtration equipment.



Rotary pre-filter models			
Model	Screen diameter	Screen area	CFM
RPF-6.0	6'	26.85 sq ft	29,535
RPF-7.0	7'	36.80 sq ft	40,480
RPF-8.0	8'	45.51 sq ft	53,361